

AMENDMENTS TO THE CLAIMS AND CLAIM LISTING

The listing of the claims immediately below, in which certain amendments are highlighted, replaces all prior versions of the claims provided in this application. Amendments to the claims previously entered in this application have not been highlighted herein.

1. (Currently amended) A method of optimizing the delivery of content data from a web server to a client device, said method comprising:

storing a plurality of files, including at least one of said files containing non-optional content data and optional content data;

receiving a request for content data from a client device, the content data contained in said at least one of said files;

determining performance characteristics of the ~~requesting~~ client device, ~~the performance characteristics being selected from the group consisting of client device operating system, connection type, processor type, amount of memory, user preferences, display size, and software installed~~;

~~selecting one of the plurality of stored files for providing to the client device;~~

automatically ~~including~~ selecting from the selected file said at least one of said files the non-optional content data, and automatically selecting at least a portion of said optional content data ~~responsive to the~~, said selection based on the determined performance characteristics of the ~~requesting~~ client device; and

transmitting the ~~selected file, including the non-optional content data and the selected optional content data to the requesting~~ client device.

2. (Currently amended) The method of claim 1 wherein ~~selecting~~ said optional content ~~further comprises: includes a plurality of content items, and further wherein the step of selecting comprises:~~

selecting one of a the plurality of content items ~~responsive to the at least one performance characteristic characteristics of the requesting client device.~~

3. (Currently amended) The method of claim 2 wherein the plurality of content items ~~is~~ are ordered with respect to highest and lowest performance characteristics of client devices, and the step of selecting comprises:

responsive to a client device having a highest performance characteristic, selecting a first ordered content item.

4. (Currently amended) The method of claim 2 wherein the plurality of content items ~~is~~ are ordered with respect to highest and lowest performance characteristics of client devices, and the step of selecting further comprises:

responsive to a ~~the~~ requesting client device having a highest performance characteristic, selecting a last ordered content item.

5. (Currently amended) The method of claim 2 wherein optimization constraints are assigned to classes of client devices, and wherein each class of client device has different performance characteristics, further comprising:

determining a class of client device to which the ~~requesting~~ client device belongs ~~responsive to~~ based on the determined performance characteristics of the ~~requesting~~ client device; and

assigning the ~~requesting~~ client device an one of said optimization constraints ~~responsive~~
to based on the determined class of client device to which the ~~requesting~~ client device belongs;
and

wherein the plurality of content items are ordered with respect to the optimization
constraints, and the step of selecting comprises selecting a content item whose order
corresponds to the said one of said optimization constraints.

6. (Currently amended) The method of claim 5 further comprising:

responsive to an said one of said optimization constraints specifying a class of device
having a lowest performance characteristic, selecting a content item requiring a least amount of
bandwidth to be transmitted.

7. (Currently amended) The method of claim 5 further comprising:

responsive to an said one of said optimization constraints specifying a class of device
having a lowest performance characteristic, selecting a content item comprising a least amount
of data.

8. (Currently amended) The method of claim 2 wherein optimization constraints are
associated with each content item, and the optimization constraints index classes of client
devices, wherein each class of client device has different performance characteristics, further
comprising:

assigning the ~~requesting~~ client device an optimization constraint ~~responsive to, said~~
assignment based on the performance characteristics of the ~~requesting~~ client device; and

said step of selecting comprises comprising selecting a content item responsive to, said selection based on the assigned optimization constraint.

9. (Previously presented) The method of claim 8 wherein assigning an optimization constraint ~~responsive to~~ based on the performance characteristics of the ~~requesting~~ client device further comprises:

determining a connection type in use by the client device; and

associating with the client device an optimization constraint ~~responsive to the~~ associating based on the connection type of the client device.

10. Cancelled.

11. (Currently amended) The method of claim 8 wherein assigning an optimization constraint ~~responsive to~~ based on the performance characteristics of the ~~requesting~~ client device further comprises:

determining a processor type in use by the ~~requesting~~ client device; and

the step of associating an optimization constraint further comprises^{[[:]]} associating an optimization constraint ~~responsive to, the association based on~~ the association based on the processor type in use by the ~~requesting~~ client device.

12. (Currently amended) The method of claim 8 wherein assigning an optimization constraint ~~responsive to~~ based on the performance characteristics of the ~~requesting~~ client device further comprises:

determining an amount of memory in use by the ~~requesting~~ client device; and

the step of associating an optimization constraint further comprises[[:]] associating an optimization constraint ~~responsive to~~ the associating based on the amount of memory in use by the ~~requesting~~ client device.

13. (Currently amended) The method of claim 8 wherein assigning an optimization constraint ~~responsive to~~ based on the performance characteristics of the ~~requesting~~ client device further comprises:

determining a display type in use by the ~~requesting~~ client device; and

the step of associating an optimization constraint further comprises[[:]] associating an optimization constraint ~~responsive to~~ the associating based on the display type size in use by the ~~requesting~~ client device.

14. Cancelled.

15. Cancelled.

16. Cancelled.

Claim 17-19. (Previously canceled).

20. (Currently amended) A method of delivering a web page comprising:

storing a plurality of web pages, ~~including~~ at least one of said web pages containing non-optional content data and optional content data;

receiving a request for transmission of at least said one of the said web pages from a remote device;

determining at least one performance characteristic of the remote device, ~~the at least one performance characteristic being selected from the group consisting of remote device operating system, connection type, processor type, amount of memory, user preferences, display size, and software installed;~~

automatically selecting for transmission a portion of said optional content data of the at least one said one of said web page responsive to, the selecting based on the determined at least one performance characteristic; and

transmitting the at least one web page, including the non-optional content data and the selected portion of optional content data to the remote device;

wherein said non-optional content data and said selected portion of optional content data taken together may represent the web pages requested from the remote device.

21. (Currently amended) The method of claim 20 wherein said optional content data includes a plurality of optional content items, and further wherein the step of selecting for transmission a portion of said optional content data comprises:

selecting one of a plurality of said optional content items ~~responsive to the, said selection of optional content items based on the determined~~ performance characteristics of the remote device; and

wherein those content items of the plurality of optional content items that have not been selected are not transmitted to the remote device.

22. (Currently amended) The method of claim 21 wherein the plurality of optional content items is are ordered with respect to highest and lowest performance characteristics of remote remote devices, and the step of selecting comprises:

responsive to a remote device having a highest performance characteristic, selecting a first ordered content item of the plurality of optional content items.

23. (Currently amended) The method of claim 21 wherein the plurality of optional content items is are ordered with respect to highest and lowest performance characteristics of remote devices, and the step of selecting further comprises:

responsive to a remote device having a highest performance characteristic, selecting a last ordered content item.

24. (Currently amended) The method of claim 21, wherein the plurality of optional content items is are ordered with respect to highest and lowest performance characteristics of remote devices, optimization constraints are assigned to classes of remote devices, and each class of remote device has different performance characteristics, further comprising:

determining a class of remote device to which the ~~requesting~~ remote device belongs ~~responsive to,~~ said determining based on the determined performance characteristics of the ~~requesting~~ remote device; and

assigning the ~~requesting~~ remote device an optimization constraint ~~responsive to,~~ said assigning based on the determined class of remote device to which the ~~requesting~~ remote device belongs;

wherein the step of selecting one of a plurality of optional content items comprises selecting a content item whose order corresponds to the optimization constraint.

25. (Currently amended) The method of claim 24 wherein the step of selecting a content item whose order corresponds to the optimization constraint comprises:

responsive to an optimization constraint specifying a class of device having a lowest performance characteristic, selecting a content item requiring a least amount of bandwidth to be transmitted.

26. (Currently amended) The method of claim 24 wherein the step of selecting a content item whose order corresponds to the optimization constraint comprises:

responsive to an optimization constraint specifying a class of device having a lowest performance characteristic, selecting a content item comprising a least amount of data.

27. (Currently amended) The method of claim 21 wherein optimization constraints are associated with each content item, and the optimization constraints index classes of remote devices, wherein each class of remote device has different performance characteristics, further comprising:

assigning the ~~requesting~~ remote device an optimization constraint ~~responsive to, said~~ assigning based on the performance characteristics of the ~~requesting~~ remote device; and

the step of selecting comprises comprising selecting a content item ~~responsive to, said~~ selecting based on the assigned optimization constraint.

28. (Currently amended) The method of claim 27 wherein assigning an optimization constraint ~~responsive to~~ based on the performance characteristics of the ~~requesting~~ remote device further comprises:

determining a connection type in use by the remote device; and
associating with the remote device an optimization constraint ~~responsive to, said~~
associating based on the connection type of the remote device.

29. Cancelled.

30. (Previously presented) A computer-readable medium for use in a system having a web server for storing content data, and which is connected to a plurality of client devices, the computer-readable medium storing instructions which cause the server to:

store a plurality of files, including at least one of said files containing non-optional content data and optional content data;

receive a request for content data from a client device, the content data contained in said at least one of said files;

determine performance characteristics of the client device, ~~the performance characteristics being selected from the group consisting of requesting client device operating system, connection type, processor type, amount of memory, user preferences, display size, and software installed~~;

~~select one of the plurality of stored files for providing to the client device;~~

automatically ~~include from the selected file~~ select from said at least one of said files the non-optional content data, and automatically select at least a portion of said optional content data ~~responsive to the, said selection based on the determined~~ performance characteristics of the requesting client device; and

transmit the ~~selected file, including the~~ non-optional content data and the selected optional content data to the client device.

31. (Currently amended) The computer-readable medium of claim 30 wherein said optional content includes a plurality of content items, and wherein the stored instructions further cause the processor to:

select one of a the plurality of content items ~~responsive to the performance characteristics of the requesting client device.~~

32. (Currently amended) The computer-readable medium of claim 31 wherein the plurality of content items is are ordered with respect to performance characteristics of client devices, and the stored instructions further cause the processor to:

responsive to a client device having a highest performance characteristic, select a first ordered content item.

33. (Currently amended) The computer-readable medium of claim 31 wherein optimization constraints are assigned to classes of client devices, ~~and wherein~~ each class of client device has different performance characteristics, and wherein the stored instructions further cause the processor to:

determine a class of client device to which the ~~requesting~~ client device belongs ~~responsive to, said determination based on~~ the performance characteristics of the ~~requesting~~ client device;

assign the ~~requesting~~ client device an one of said optimization constraint ~~responsive to constraints, said assignment based on~~ the determined class of client device to which the ~~requesting~~ client device belongs; and

select one of ~~a~~the plurality of optional content items by selecting a content item corresponding to the optimization constraint.

34. (Currently amended) The computer-readable medium of claim 32 wherein optimization constraints are associated with each content item, and the optimization constraints index classes of client devices, wherein each class of client device has different performance characteristics, and the stored instructions further cause the processor to:

assign the ~~requesting~~ client device an optimization constraint ~~responsive to the~~, said assignment based on the determined performance characteristics of the ~~requesting~~ client device; and

select a content item ~~responsive to~~, said selection based on the assigned optimization constraint.

35. (Currently amended) The computer-readable medium of claim 34 wherein the stored instructions further cause the processor to:

determine a connection type in use by the client device; and

associate with the client device an optimization constraint ~~responsive to~~, said association based on the connection type of the client device.

36. Cancelled.

37. (Previously canceled).

38. (New) The method of claim 1, wherein the client device performance characteristics are selected from the group consisting of client device operating system, connection type, processor type, amount of memory, user preferences, display size, and software installed.

39. (New) The method of claim 20, wherein the client device performance characteristics are selected from the group consisting of client device operating system, connection type, processor type, amount of memory, user preferences, display size, and software installed.

40. (New) The computer-readable medium of claim 40, wherein the client device performance characteristics are selected from the group consisting of client device operating system, connection type, processor type, amount of memory, user preferences, display size, and software installed.